



Agrobiological Means for Sustainable Production in Controlled Environment Agriculture

Guest Editors:

Dr. Aušra Brazaitytė

Institute of Horticulture,
Lithuanian Research Centre for
Agriculture and Forestry, Kaunas
Str. 30, 54333 Kaunas, Lithuania

Dr. Kristina Laužikė

Lithuanian Research Centre for
Agriculture and Forestry,
Laboratory of Plant Physiology,
Kaunas str. 30, LT-54333, Kaunas
dist, Kėdainiai, Lithuania

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Message from the Guest Editors

Controlled environment agriculture (CEA) is a plant cultivation practice that allows high-quality yields to be obtained by regulating growing factors, such as light, temperature, humidity, CO₂ concentration, fertilizers, etc. Nowadays, various innovative techniques facilitate a more efficient regulation of such factors to reduce various resources and improve sustainability in CEA. On the other hand, manipulating growing factors to provoke mild stress on plants and induce metabolic defense responses could increase bioactive compounds which are beneficial for human health or protect plants from diseases without adverse effects on plant yield. Another significant aspect of sustainability in CEA is reducing the use of fertilizers and chemicals for plant protection. In solving this problem, the use of nanomaterials, biostimulants, and natural products for disease control is more fervently emphasized. However, for sustainability in CEA, it is important to study the effect of not only one or another measure on plants, but also the interactions between various agrobiological means. In this Special Issue, research and review articles which focus on the topics mentioned above are welcome.





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Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 Lecce, Italy

Message from the Editor-in-Chief

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Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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